

# CA 1:1L&10:1L



CE  
0120

## Type

Dental contra-angle handpiece, push-button, with light, with 3 internal sprays

**CA 1:1 L** with integrated anti-return on the water channel.

**CA 10:1 L** this contra-angle can be used in endodontics with nickel-titanium alloy tools.

## Technical data and assembly

### Type of coupling

The most commonly used coupling in the world as per ISO Standard 3964 with internal spray and light with bulb and switch integral with the motor.

### Coupling

To use the "spray" function, the instrument must be coupled with an ISO 3964 type micromotor airmotor.

### Classification

Class IIa, "active medical devices", as per section III "Classification", Rule 9 of Annex IX to Directive 93/42 EEC, namely: "Therapeutic devices intended to administer or exchange energy".

### Transmission ratio

**CA 1:1 L**

blue instrument sleeve direct ratio

**CA 10:1 L**

green instrument sleeve 10x reducer

### Bur

**CA 1:1 L**

Ø of shaft 2.35 mm, min. length 12 mm

(0.47 in) Type 1 in accordance with ISO 1797 fig. 1 and max. length 22.5 mm (0.88 in) Type 4 in accordance with ISO 6360-1 fig. 2.

**CA 10:1 L**

Ø of shaft 2.35 mm, min. length 12 mm

(0.47 in) Type 1 in accordance with ISO 1797 fig. 1 and max. length 22.5 mm (0.88 in) Type 4 in accordance with ISO 6360-1 fig. 2.

### Changing the bur

Push-button grip: without accessories thanks to push-button grip (see fig. 3).

Exert traction on the tool to check that it is correctly in place. Always wear gloves or other adequate protection when checking and using the device.

### Light

The CA 1:1 L and CA 10:1 L are fitted with a double glass bar that is good resistant to sterilisation.

### Important

The device must not be started without a tool

inserted into the chuck. To avoid overheating of the push-button, which could cause burns, it should not be pressed inadvertently while the instrument is rotating. Soft tissues (tongue, cheeks, lips etc.) must be protected by deflection with a retractor or a dental mirror. Never mount an instrument on a rotating motor.

To ensure that your CA-micromotor unit functions with maximum efficiency, it must be cooled by an air supply of 8-10 normliter/min on the nose of the micromotor.

## Maintenance

### Maintenance animations at

[www.bienair.com](http://www.bienair.com)

Clean, lubricate and sterilise the device before the treatment of each patient.

Only use maintenance products and/or components from Bien-Air. The use of other products and components can lead to annulment of the guarantee.

### Important

After cleaning and disinfecting/sterilizing the instrument and before using it, operate at moderate speed, with a bur in the chuck, for 10 to 15 seconds to distribute, and remove, the excess lubricant.

### Overhaul

Never disassemble the device. For all modifications and repairs, we recommend that you contact your regular supplier or Bien-Air direct. Bien-Air asks the user to have its dynamic instruments checked or inspected at least once a year thereafter.

### Cleaning and disinfection

After each use, the device must be rinsed in running water.

Use cleaner Spraynet, Bien-Air fig. 4. Spray the inside and outside of the equipment to remove the residues. Remove the bur before cleaning and lubricating.

Disinfect with a clean damp cloth.

Products containing acetone, chlorine and bleach are not recommended as disinfectants. Never immerse in disinfectant solutions. Never suitable for ultrasonic bath.

### Lubrication

Lubrication before each sterilisation, and at least twice a day. Only use the spray Lubrifluid.

- Remove the bur before lubricating
- Place the instrument in a cloth so as to catch the debris and foreign matter expelled by the atomizer jet.
- Remove the protective cap and insert the nozzle into the back of the instrument sleeve.
- Spray for about 1 second fig.5.

### Before sterilisation

Remove residue, carefully clean the device. To lubricate the device.

## Sterilisation

Process: Steam autoclave up to 136°C ±2°C (277°F ± 3,6°F). The required time for sterilisation of our products must comply with the prevailing local regulations for this type of instrument.

The device is supplied in "non-sterile" form. Before use, please follow the instructions under this heading.

## Cleaning of spray tubes fig. 6 Wire cleaner

### Environment

Temperature between -40°C (-8°F) and 70°C (158°F), relative humidity between 10% and 100%, atmospheric pressure 50 kPa to 106 kPa (7.3 to 15.3 psi).

### Application

Product intended for professional use only.

### Information

The technical specifications, illustrations and dimensions contained in these instructions are given only as a guide. They may not be the subject of any claim. The manufacturer reserves the right to make technical improvements to its equipment, without amending these instructions. The French original of this text conforms to the legal standards. For all additional information, please contact Bien-Air at the address indicated on the reverse.

## Generalities

The device must be used by a competent person in accordance with the current legal provisions concerning industrial safety, health and accident prevention regulations, and these working instructions. In accordance with these requirements, the operator:

- must only use working devices that are in perfect working order; in the event of irregular functioning, excessive vibration, abnormal heating or other signs indicating malfunction of the device, the work must be stopped immediately; in this case, contact a repair centre that is approved by Bien-Air;
- must ensure that the device is used only for the purpose for which it is intended, must protect himself, his patients and third parties from any danger, and must avoid contamination through the use of the product.

The device is intended for medical treatment only; any use other than that for which this product is intended is not allowed and may prove to be dangerous. The medical device meets all the current European legal requirements.

Excess material from products used for maintenance (lubricants, cleaning products and disinfectants) originating from CA or PM may penetrate into the electric brush motor and interfere with its functioning. It is essential to

follow the maintenance instructions accompanying each product.

## Recommendations

Adhere to the Instructions for Use, in accordance with the instructions of the tool manufacturer. Never use a tool with an incorrect rod, as there is a risk of this becoming detached during the treatment and causing injury to you yourself, to your patient and to third parties. Rest the device on a suitable support in order to eliminate the risk of injury to you yourself, to your patient and to third parties.

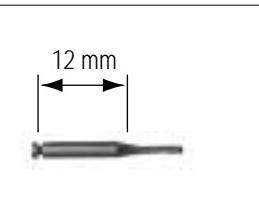


fig. 1

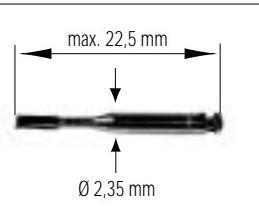


fig. 2

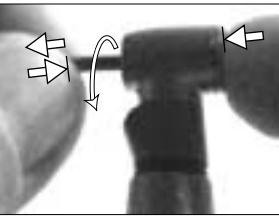


fig. 3



fig. 4



fig. 5



fig. 6

## REF Legend

REF	Legend
1600384-001	Contra-angle CA 1:1 L, direct ratio, dual glass optics, push-button chuck, bur ø 2.35 mm, non-return valve
1600385-001	Contra-angle CA 10:1 L, 10x reducer, dual glass optics, push-button chuck, bur ø 2.35 mm
1000001-010	Wire probe, box of 10 wires
1600036-006	Spraynet, cleaning spray 500 ml, box of 6 cans
1600046-006	Lubrifluid, lubricant 500 ml, box of 6 cans

## List of registered trade mark products ®:

Aquilon®	(Bien-Air)
Gyro Long-Life®	(Bien-Air)
Isolite®	(Bien-Air)
Isolux®	(Micro-Méga)

In these instructions, "Device" corresponds to the product described in the heading "Type". For example, turbine, contra-angle, handpiece, motor, tube, electronics, connectors, station etc.

## Symbols

Movement in the direction indicated



Movement fully to the stop, in the direction indicated



## Accessories in option



REF 1000001-010



REF 1600036-006



REF 1600064-006

## Set supplied



1000001

1600384-001 CA 1:1 L

X

1600385-001 CA 10:1 L

X

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